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16 NOV 1973

MEMORANDUM FOR: Deputy Director for Management and Services

VIA : Director of Communications
Director of Joint Computer Support
Director of Planning, Programming, and Budgeting
Director of Security
Director of ELINT
Director of Weapons Intelligence
Chief, Information Services Group, CRS

FROM : Director of Logistics

SUBJECT : Headquarters Facilities for Environmentally Sensitive Equipment

REFERENCE : Study on Environmentally Sensitive Equipment Facilities in the CIA Headquarters Building, Langley, Virginia, dated 5 March 1973

1. Action Requested: In accordance with affected components' reactions to the referenced study (as contained in the Staff Position section herein), guidance is requested as to the next actions to be taken regarding provision of acceptable facilities for Headquarters Environmentally Sensitive Equipment (ESE).

2. Basic Data or Background:

a. As you are aware, the Office of Logistics initiated the referenced study to focus attention on the status of facilities supporting ESE and to propose a viable, short time frame alternative. This study asserted that:

(1) Existing Headquarters facilities for ESE are marginal in terms of environment, flexibility and expansibility, and safety of personnel and equipment.

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SUBJECT: Headquarters Facilities for Environmentally Sensitive Equipment

(2) Headquarters facilities are inadequate to support next-generation equipment if temperature, humidity, dust control, and safety criteria continue to become more stringent.

(3) Because of the physical constraints and the necessity to maintain ongoing operations, existing facilities and utilities service to ground floor ESE areas cannot be upgraded to either improve existing conditions or support major new systems.

b. With your concurrence, this study was distributed to affected components and their comments were solicited. The resulting comments were, as expected, sufficiently diverse to preclude ready collation into a single position paper and, additionally, contained some misunderstandings as to the intent of the study. Accordingly, a meeting chaired by the Director of Logistics and attended by the Director of Planning, Programming, and Budgeting, senior representatives of the affected components (ISG, OC, OEL, OJCS, and OWI), and the Chief, Physical Security Division, OS, was held to discuss the study. The consensus of the meeting is presented as the Staff Position portion of this memorandum.

3. Staff Position:

a. The Office of Logistics' position (expanded in paragraph 2 above) was accepted to the extent that it was generally agreed that:

(1) Existing ESE facilities for many components are marginal;

(2) Existing facilities probably cannot support future ESE systems; and

(3) Current ground-floor facilities are physically constrained from major improvement.

b. Total space and utilities demands for computer, SIGINT, and ELINT areas are expected to stabilize or decrease (OC, however, has improvement/

SUBJECT: Headquarters Facilities for Environmentally Sensitive Equipment

equipment expansion plans for the Cable Secretariat and sixth floor DATACOM).

c. OJCS has concern about the risk factors of relocation of existing, older computer equipment. OJCS could probably not phase out this equipment and move to next-generation equipment sooner than 3 years after approval of the concept.

d. OC has the technical capability to establish secure data links for all ESE systems from sites other than the Headquarters compound.

e. Use of leased space to house ESE necessitates such a large investment for modification that, when coupled with occupancy continuity uncertainties, it effectively eliminates this alternative.

f. No suitable military or other Government space in the Headquarters area is available for assignment to the Agency to house ESE functions.

g. Modification of the proposed area on the first floor of Headquarters would cost up to \$3.7 million, require 2 to 3 years to implement, and require identification and relocation of components now in an equal amount of space with a resultant additional leasing and modification cost of up to \$1 million. This reconfiguration could, however, meet foreseeable facilities requirements and offer the benefit of minimization of physical separation from prime "customers."

h. Construction of a new building would provide optimum space (utilities systems designed for the function, elimination of physical constraints caused by columns, maximum flexibility, and expansibility) but would cost up to \$12 million for 100,000 square feet of space, require up to 7 years to complete, introduce various U. S. Government and State regulatory agencies into the approval process, and raise the time-consuming but potentially highly beneficial question of scope (should NPIC or OTS or outlying units at Rosslyn, and Chamber of Commerce be included?). An additional consideration

SUBJECT: Headquarters Facilities for Environmentally
Sensitive Equipment

is the increased probability of a major facilities-induced failure in an ESE area because of additional elapsed time utilizing existing facilities.


i. Several major ongoing or proposed projects will be affected by the determination of how and where to provide facilities for ESE (e.g., provision of motor-generator/uninterrupted power source equipment budgeted in FY 1974 for ESE areas, expansion of the Headquarters "B" Vault, the Cable dissemination system in the Cable Secretariat, modifications to the sixth floor DATACOM, a proposed "K" terminal, consolidation of Operation Centers).

j. ESE components opted for a new building vice first-floor modification, if provision of a new building in the general time frame specified was viable.

4. Recommendation: It is the consensus of representatives of ESE components, Office of Logistics, and the Chief, Physical Security Division, that firm scope establishment, budgeting, and implementation planning be initiated to provide new facilities for Headquarters ESE. Options considered are:

- a. Reconfiguration of 45,000 square feet of space on the first floor;
- b. Construction of a new building in the Headquarters compound minimally sized at 100,000 square feet of space; or
- c. Construction of a similar building at a site to be determined in the general Headquarters area.

Accordingly, guidance is requested as to which actions to take next to provide acceptable facilities for Headquarters ESE.


Francis J. Van Damm
Director of Logistics

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Next 1 Page(s) In Document Exempt

Approved For Release 2003/06/20 : CIA-RDP86-01019R000100240016-2

UNCLASSIFIED		CONFIDENTIAL		SECRET	
OFFICIAL ROUTING SLIP					
TO	NAME AND ADDRESS		DATE	INITIALS	
1	Chief, Real Estate and Construction Division, OL				
2					
3					
4					
5					
6					
ACTION		DIRECT REPLY		PREPARE REPLY	
APPROVAL		DISPATCH		RECOMMENDATION	
COMMENT		FILE		RETURN	
CONCURRENCE		INFORMATION		SIGNATURE	
Remarks: <p>On 9 January, Jack advised me that Mr. Brownman had decided to proceed to look toward the construction of a new building to house a consolidation of computers and asked that we begin a study of the subject soonest. In a subsequent discussion with Jack, it was decided that in our planning we should expand the computer consolidation to include certainly the OTS labs and, quite possibly, the Commo lab. As an initial step what I would like from you is a scenario similar to what must have been prepared when the Headquarters Building was being planned and your recommendations as to the kind of group we ought to put together and when in order to implement further planning. I would like</p>					
FOLD HERE TO RETURN TO SENDER					
FROM: NAME, ADDRESS AND PHONE NO.				DATE	
Director of Logistics, 1206 Ames				14 Jan 74	
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your preliminary thoughts by 21 January.



VAN D.

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TRANSMISSION SLIP		DATE
		8 January 1974
TO:		
Mr. Blake		
ROOM NO.	BUILDING	
REMARKS:		
<p>In the discussion of 1/8/74, I did not know the background on this, but gather Mr. Brownman approved the construction of a new building--presumably the 4.b. option. You mentioned that you wanted to get together on this to discuss with Mr. Van Damm.</p> <p style="text-align: center;">D LJD</p>		
FROM:		
ROOM NO.	BUILDING	EXTENSION

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FORM NO. 241
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REPLACES FORM 36-8
WHICH MAY BE USED.

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